



## PATENTS

Attorney Docket No. 37522-1001C2

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re New Utility Patent Application:

Of:  
J.P. Bourguignon, Liege, Belgium

## For: New peptide antagonists at glutamate and NMDA receptors

Box DAC

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**PRELIMINARY AMENDMENT**

Please amend the above-identified new application, submitted concurrently herewith, as follows:

### In the Abstract:

Please add an Abstract, on the following page.

**ABSTRACT**

Peptide antagonists of glutamate receptors and a subtype of glutamate receptors [NMDA (N-methyl-D-aspartate) receptors] influence glutamate receptor- and NMDA receptor-controlled cells, such as neurons or glial cells in the central nervous system; and can be used in the treatment of acute or chronic disorders of the central nervous system and the treatment of hypoxic, ischemic, and metabolic brain disorders.

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**In the Specification:**

At page 1, before line 5, insert a new subtitle and paragraph, and a second new subtitle, to read as follows:

Cross-reference to related applications

This application is a continuation of pending Application No. 08/991,566, filed December 16, 1997; which is a continuation of Application No. 08/549,798, filed November 9, 1995, now US Patent No. 5,804,550. Application No. 08/549,798 is a 371 of PCT International Application No. PCT/SE94/00454, filed May 16, 1994. PCT International Application No. PCT/SE94/00454 claims the priority under 35 USC 119 of Swedish Application No. 9301667-3, filed May 14, 1993.

Field of the Invention

**In the Claims:**

Cancel claim 1.

Add new claims 27-29, to read as follows:

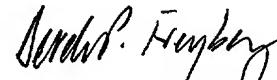
27. A method for the treatment of a brain condition associated with receptor-mediated excitatory effects, selected from the group consisting of hypoxic, ischemic, and metabolic brain disorders, brain injuries, and chronic degenerative brain states, comprising administering a peptide that acts as an antagonist of glutamate receptors in the central nervous system in an amount effective to prevent the excitatory effects.

28. The method of claim 27 where the peptide is (1-3)IGF-I.
29. The method of claim 27 where the condition is stroke.
30. The method of claim 28 where the condition is stroke.

**REMARKS**

Entry of this amendment is respectfully requested. No new matter is added by the amendment, as new claims 27-30 are fully supported by the application as originally filed.

Respectfully submitted,



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